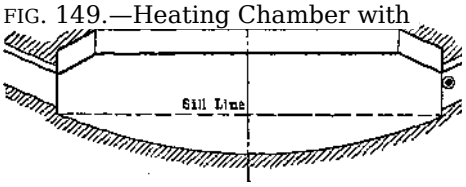
FIG. 149.—Heating Chamber with



cornburent to a point where they will combine in the flame.

In the early types of Siemens furnaces there were usually five ports side by side, two for gas and three for air. Figs. 144, 145 and 146 show later designs of ports which were used respectively

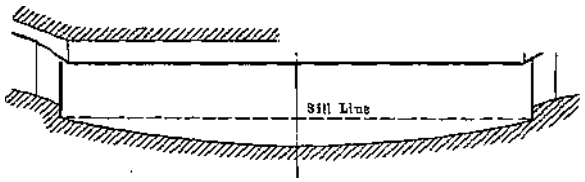


FIG. 150.-—Heating Chamber with Straight Hoof.

with the heating chambers shown in Figs. 148, 149 and 150.

Figs. 144 and 148 were used at the Lyswa Works (Qural), Russia, while Figs. 145, 149, 146 and 150 were used in American furnaces, the last being the later design. A noticeable feature of the Russian furnace is that .the bath occupies about 0.60 of the